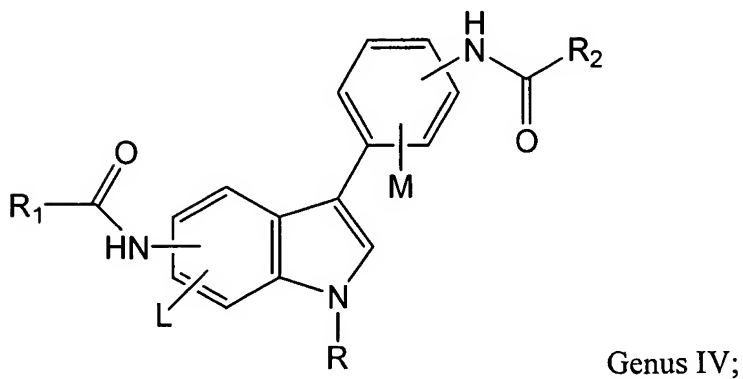
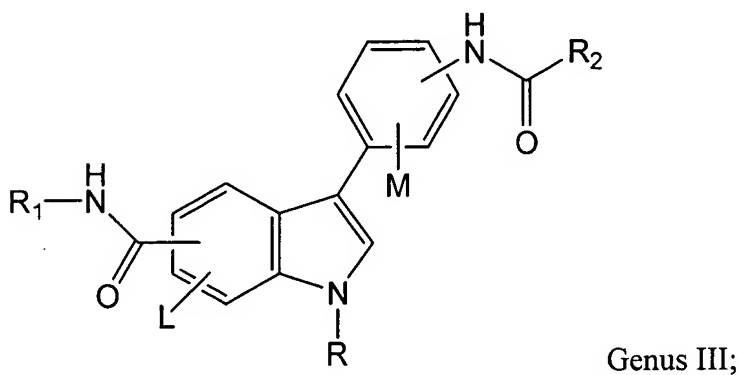
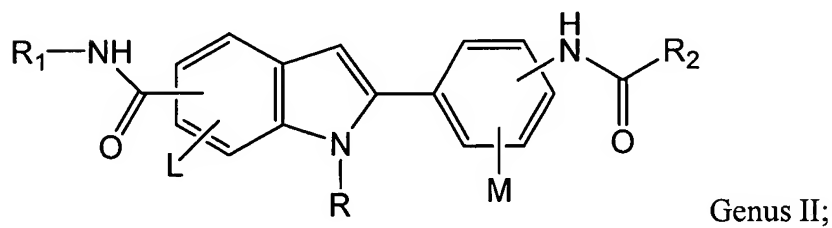
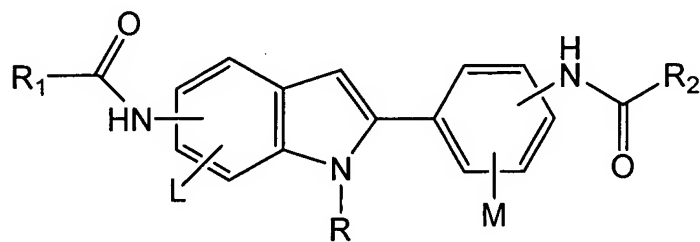
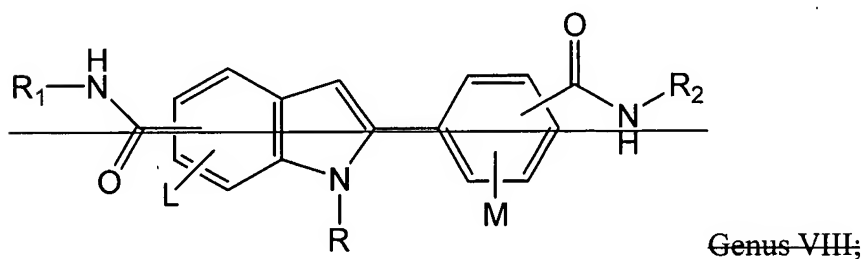
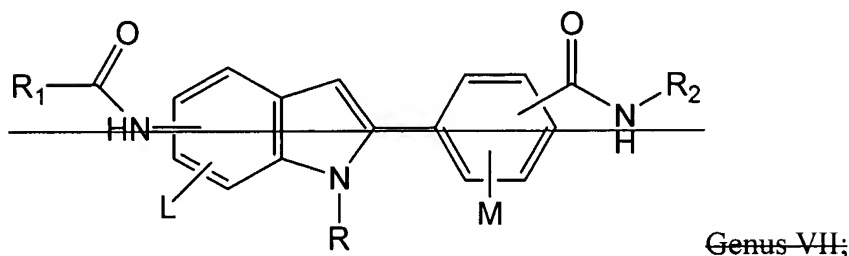
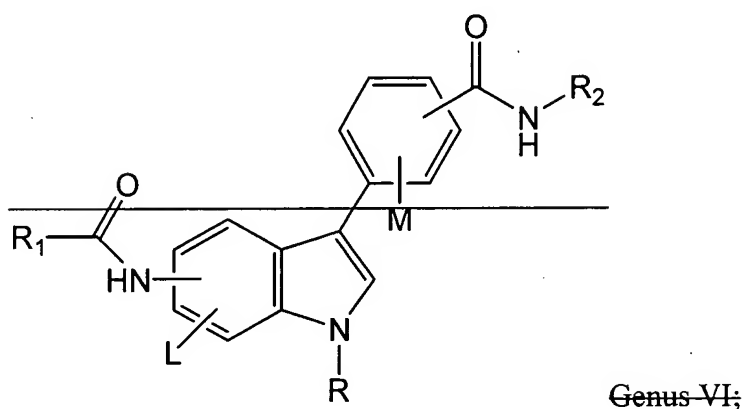
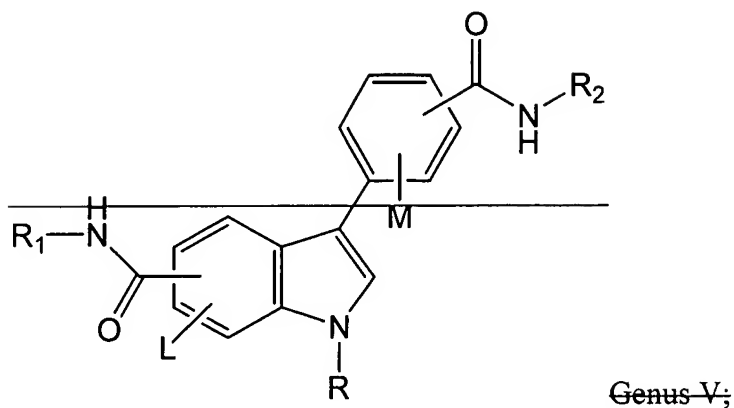


AMENDMENTS TO THE CLAIMS

1. (Currently amended) A compound or salt thereof having any one of the following formulas:





wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR' COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

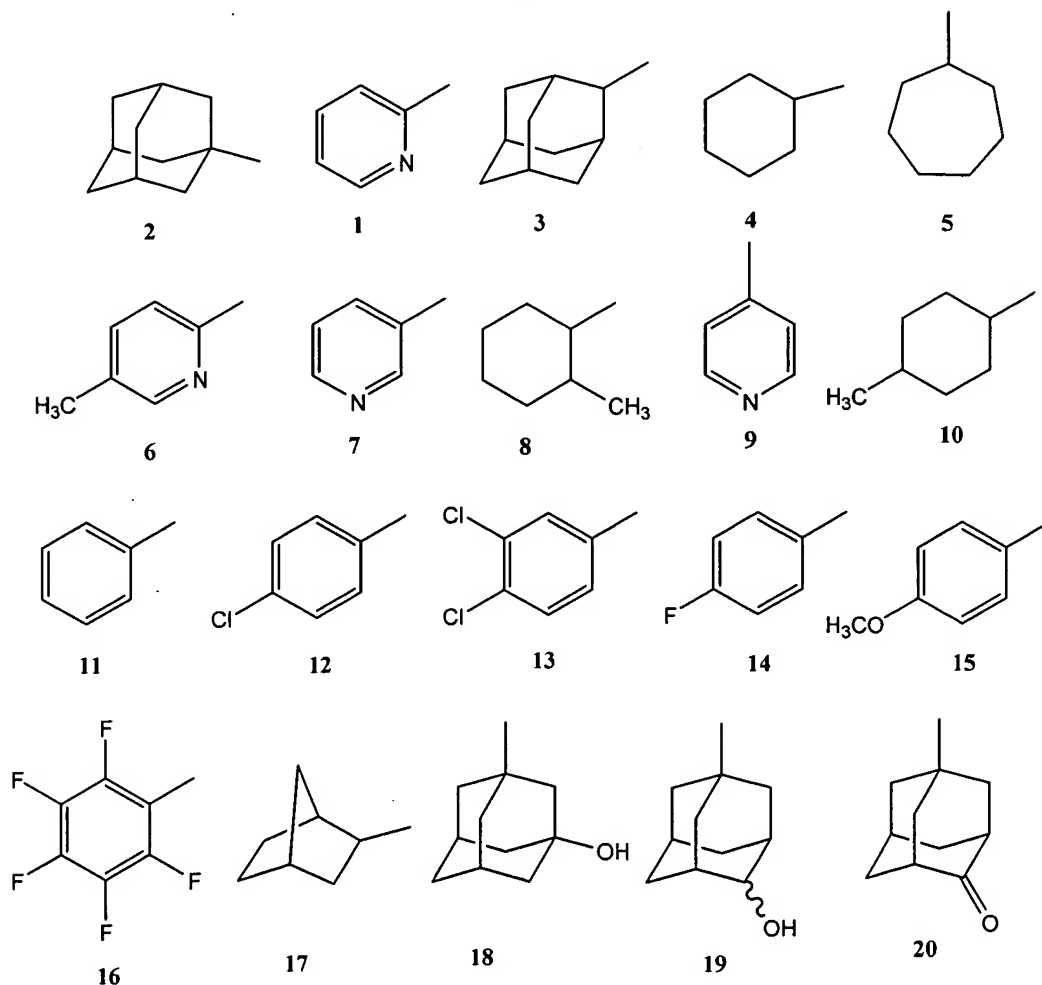
wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

2. (Currently amended) The compound or salt thereof of Claim 1, wherein said polycyclic aliphatic group is selected from the group consisting of adamantyl, bicycloheptyl, camphoryl, bicyclo[2,2,2]octanyl and norbornyl.

3. (Currently amended) The compound or salt thereof of Claim 1, wherein said heteroaryl and said substituted heteroaryl is selected from the group consisting of pyridines, thiazoles, isothiazoles, oxazoles, pyrimidines, pyrazines, furans, thiophenes, isoxazoles, pyrroles, pyridazines, 1,2,3-triazines, 1,2,4-triazines, 1,3,5-triazines, pyrazoles, imidazoles, indoles, quinolines, iso-quinolines, benzothiophenes, benzofurans, parathiazines, pyrans, chromenes, pyrrolidines, pyrazolidines, imidazolidines, morpholines, thiomorpholines, and the corresponding heterocyclics.

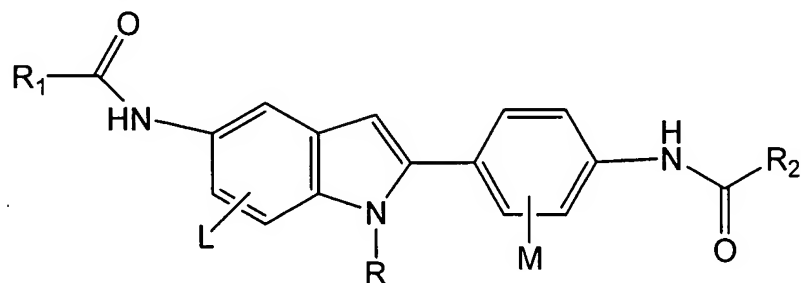
4. (Cancelled)

5. (Currently amended) The compound or salt thereof of Claim 1, wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the following:



6. (Currently amended) The compound or salt thereof of Claim 1 selected from the group consisting of compounds S1-S123, T1-T102, U1-U18, ~~and~~ V1-V28 and salts thereof.

7. (Currently amended) A compound or salt thereof ~~comprising~~ represented by any one of the following formulas:



wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

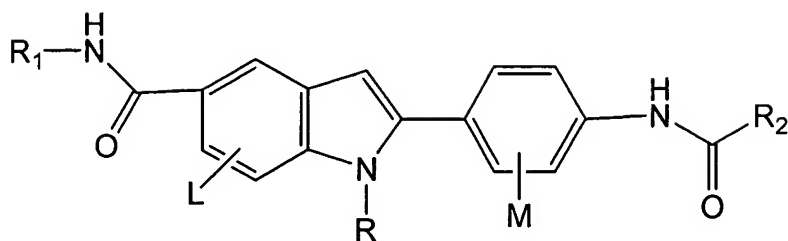
wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

8. (Currently amended) The compound or salt thereof of Claim 7 selected from the group consisting of compounds S-6, S-96, ~~and S-97~~ and salts thereof.

9. (Currently amended) A compound or salt thereof ~~comprising~~ represented by any one of the following formulas:



Subgenus IIa;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

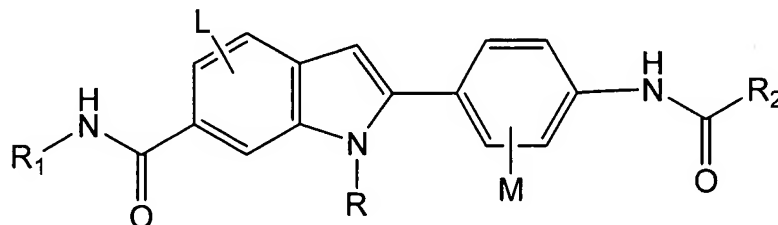
wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR' COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

10. (Currently amended) The compound or salt thereof of Claim 9 selected from the group consisting of compounds T-3, T-83, ~~and T-102~~ and salts thereof.

11. (Currently amended) A compound or salt thereof ~~comprising~~ represented by any one of the following formulas:



wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

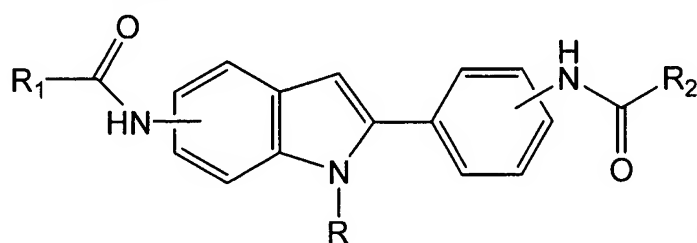
wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said

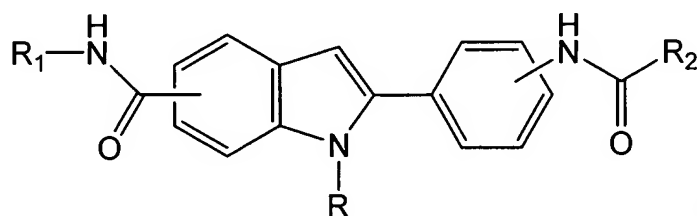
heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

12. (Currently amended) The compound or salt thereof of Claim 11 selected from the group consisting of compounds T-88, T-89, T-90, T-91, T-94, ~~and~~ T-96 and salts thereof.

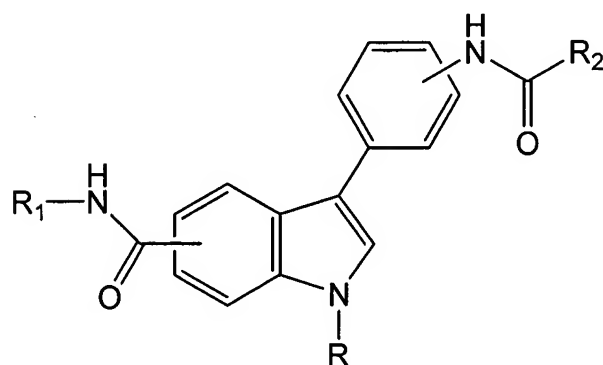
13. (Withdrawn) A method for treating or preventing an allergic reaction and/or for inhibiting cytokines or leukocytes in a mammal comprising administering an effective amount of at least one of the following compounds:



Genus I;

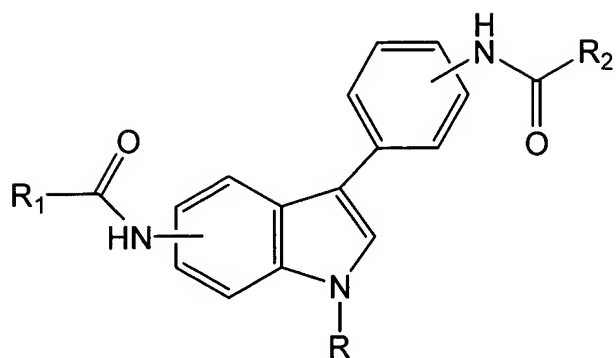


Genus II;

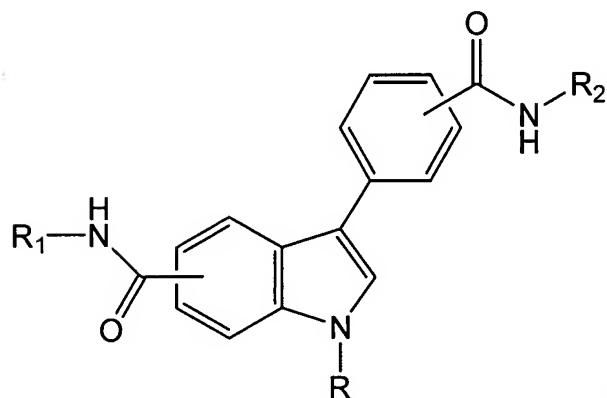


Genus III;

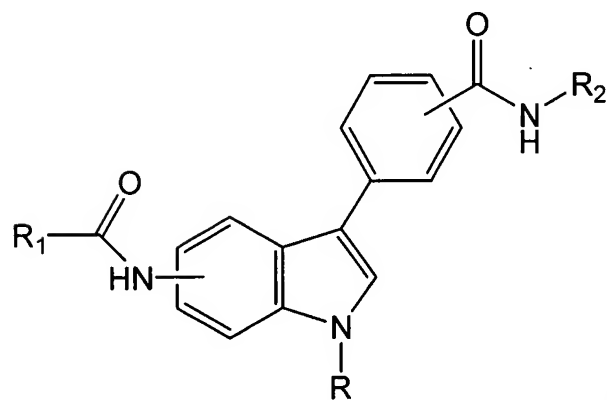




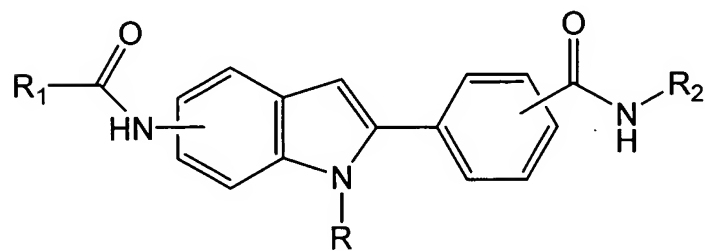
Genus IV;



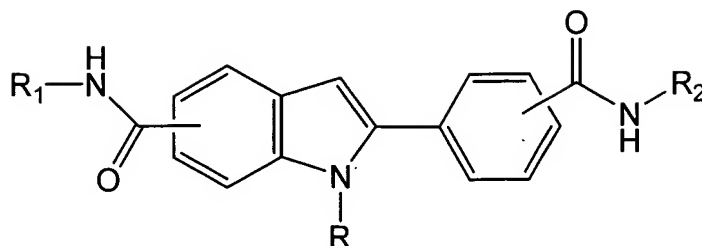
Genus V;



Genus VI;



Genus VII; and



Genus VIII;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

14. (Withdrawn) The method of Claim 13 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction.

15. (Withdrawn) The method of Claim 14, wherein said at least one additional ingredient is selected from the group consisting of a short-acting  $\beta_2$ -adrenergic agonist, a long-acting  $\beta_2$ -adrenergic agonist, an antihistamine, a phosphodiesterase inhibitor, an anticholinergic agent, a corticosteroid, an inflammatory mediator release inhibitor and a leukotriene receptor antagonist.

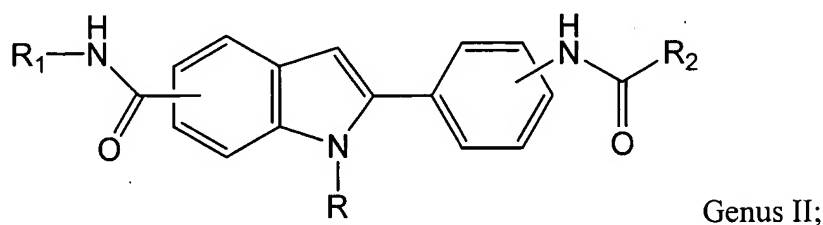
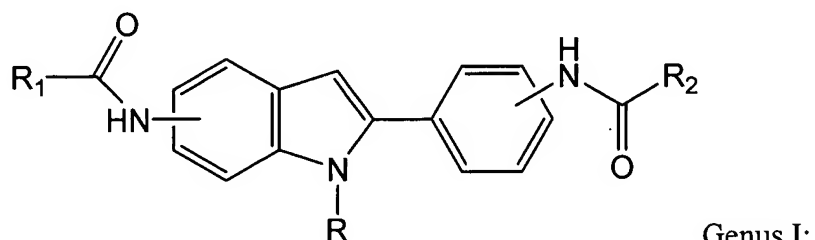
16. (Withdrawn) The method of Claim 14, wherein said at least one additional ingredient is combined with said compound in a pharmaceutically acceptable diluent and co-administered to the mammal.

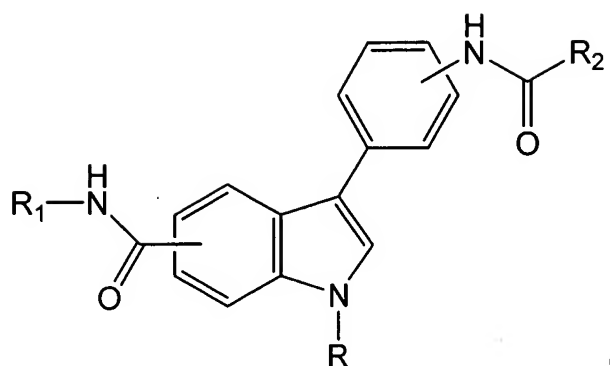
17. (Withdrawn) The method of Claim 13, wherein said compound is administered at a dose of about 0.01 mg to about 100 mg per kg body weight per day.

18. (Withdrawn) The method of Claim 17, wherein said dose is administered in divided doses at regular periodic intervals.

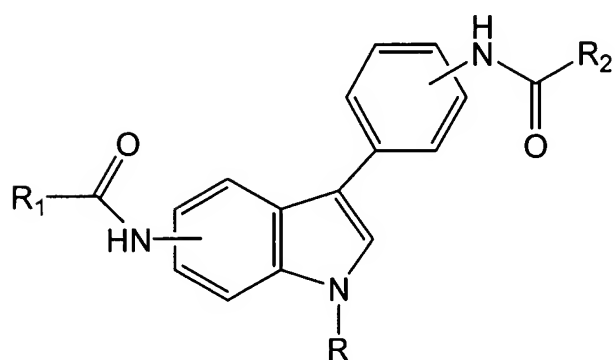
19. (Withdrawn) The method of Claim 18, wherein said regular periodic intervals occur daily.

20. (Withdrawn) A method for treating or preventing asthma in a mammal comprising administering an IgE-suppressing amount of at least one of the following compounds:

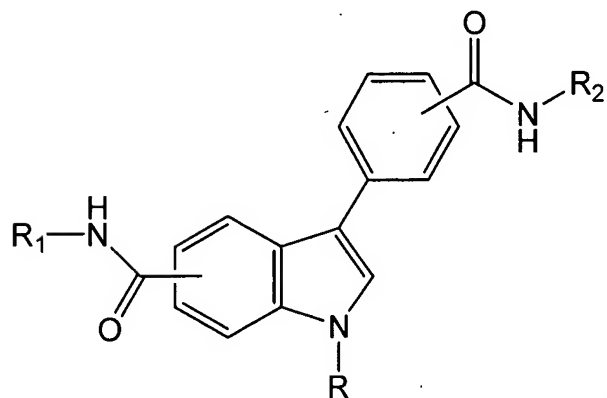




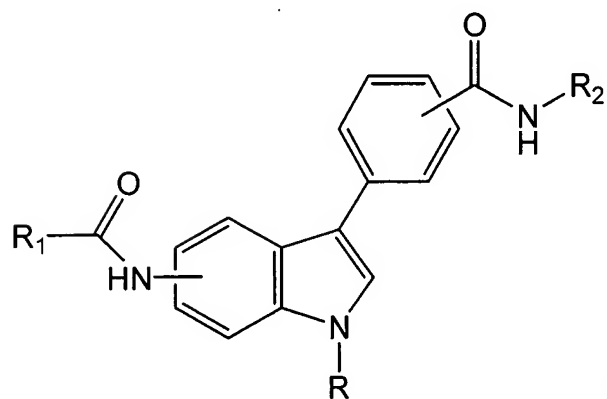
Genus III;



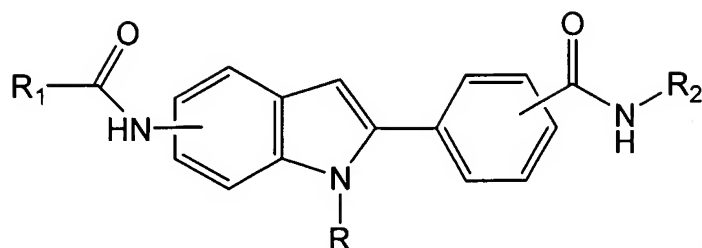
Genus IV;



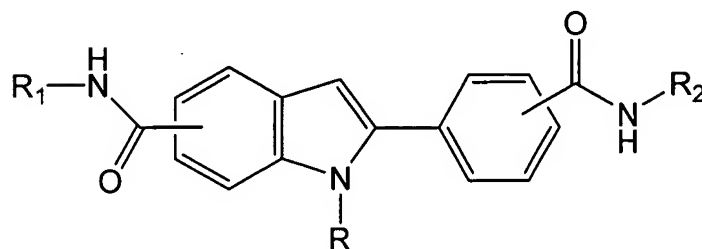
Genus V;



Genus VI;



Genus VII; and



Genus VIII;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

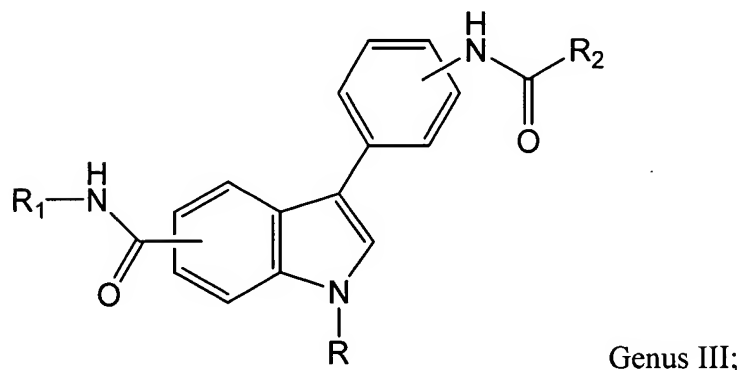
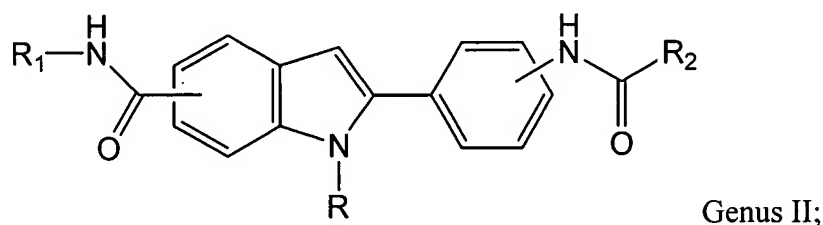
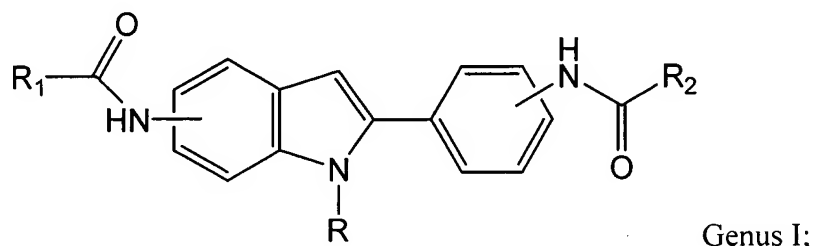
wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

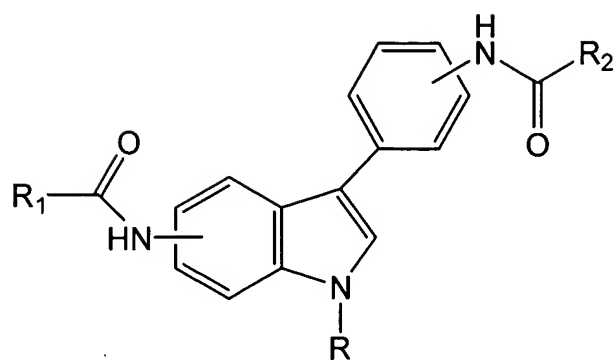
heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

21. (Withdrawn) The method of Claim 20 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said asthma.

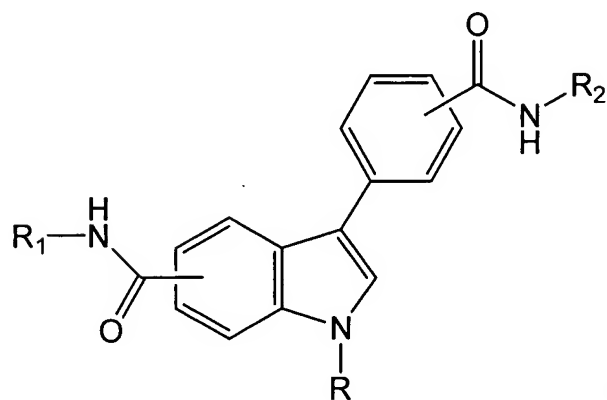
22. (Withdrawn) The method of Claim 21, wherein said additional ingredient is selected from the group consisting of a short-acting  $\beta_2$ -adrenergic agonist, a long-acting  $\beta_2$ -adrenergic agonist, an antihistamine, a phosphodiesterase inhibitor, an anticholinergic agent, a corticosteroid, an inflammatory mediator release inhibitor and a leukotriene receptor antagonist.

23. (Withdrawn) A method for inhibiting cellular proliferation in a mammal comprising administering an amount of at least one of the following compounds:

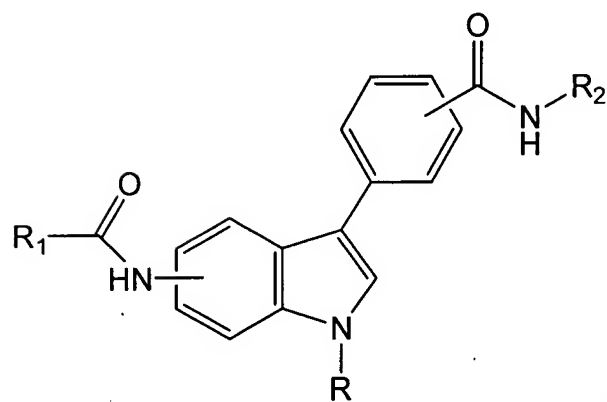




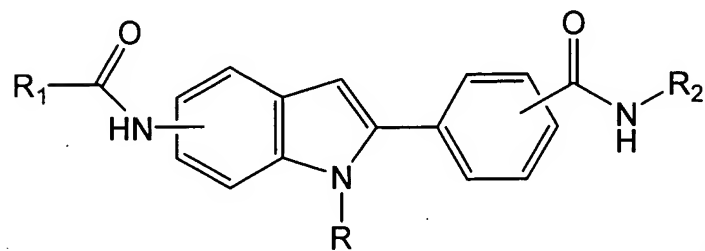
Genus IV;



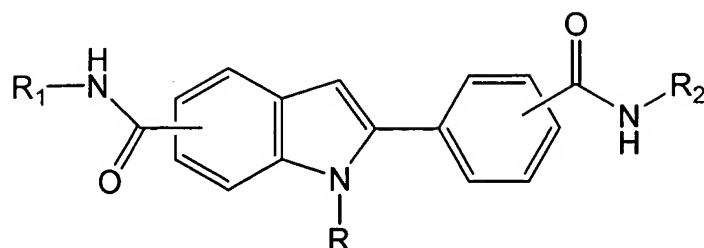
Genus V;



Genus VI;



Genus VII; and



Genus VIII;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

24. (Withdrawn) The method of Claim 23 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said cellular proliferation.



Appl. No. : 10/661,139  
Filed : September 12, 2003

25. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is selected from the group consisting of antifungals, antivirals, antibiotics, anti-inflammatories, and anticancer agents.

26. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is selected from the group consisting of alkylating agent, antimetabolite, DNA cutter, topoisomerase I poison, topoisomerase II poison, DNA binder, and spindle poison.

27. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is combined with said compound in a pharmaceutically acceptable diluent and co-administered to the mammal.

28. (Withdrawn) The method of Claim 23, wherein said compound is administered at a dose of about 0.01 mg to about 100 mg per kg body weight per day.

29. (Withdrawn) The method of Claim 28, wherein said dose is administered in divided doses at regular periodic intervals.

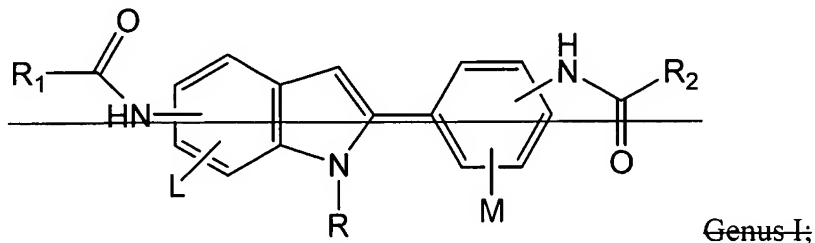
30. (Withdrawn) The method of Claim 29, wherein said regular periodic intervals occur daily.

31. (Withdrawn) The method of Claim 23 further comprising administering at least one other therapy which is effective in ameliorating at least one symptom associated with cellular hyperproliferation.

32. (Withdrawn) The method of Claim 31, wherein said therapy is an anti-cancer therapy.

33. (Withdrawn) The method of Claim 31, wherein said therapy is selected from the group consisting of radiation, immunotherapy, gene therapy, and surgery.

34. (Currently amended) A method of preparing a compound or salt thereof ~~having the formula~~ of Genus I as defined in Claim 1 comprising:



~~wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>4</sub>;~~

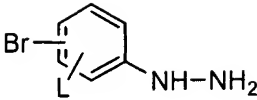
~~wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub>-alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub>-alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;~~

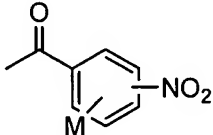
~~wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;~~

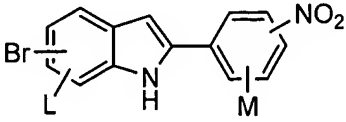
~~wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and~~

~~wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;~~

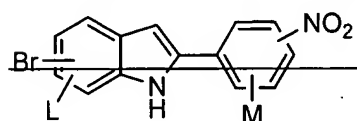
~~wherein said method comprises steps:~~

reacting a compound with a having formula:  with a

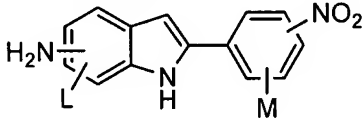
compound with a having formula:  , thereby forming a ~~compound with a~~

first intermediate having formula:  ;

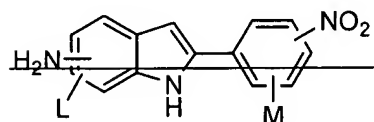
performing a reductive amination to the ~~compound with a~~ formula:



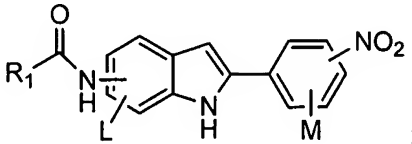
said first intermediate, thereby forming a ~~compound with~~

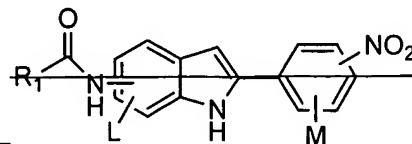
a second intermediate having formula:  ;

reacting an acyl chloride with the ~~compound with a~~ formula:



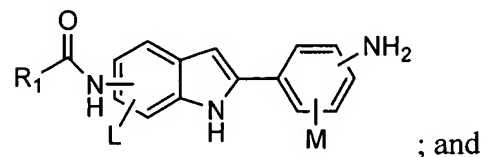
said second intermediate, thereby forming a ~~compound with~~

a third intermediate having formula:  ;

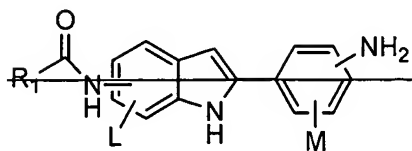


reducing the ~~compound with a~~ formula: said third

intermediate, thereby forming a ~~compound with a~~ fourth intermediate having formula:



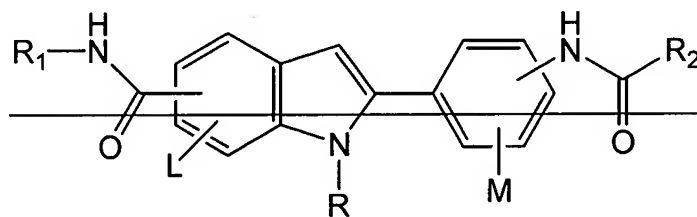
reacting an acyl chloride with the compound with a formula:



said fourth intermediate, thereby forming a compound of

Genus I.

35. (Currently amended) A method of preparing a compound or salt thereof having the formula of Genus II as defined in Claim 1 comprising:



Genus II;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

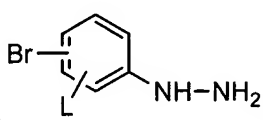
wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

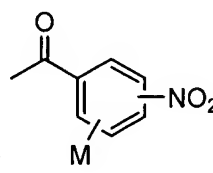
wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl,

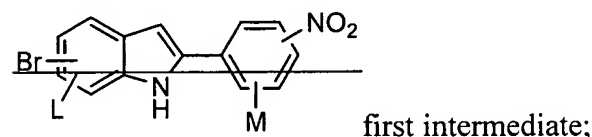
~~hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and~~

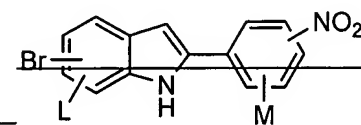
~~wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;~~

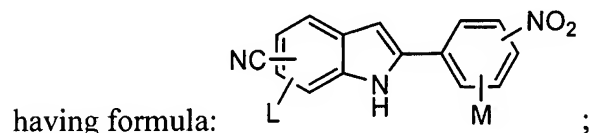
~~wherein said method comprises steps:~~

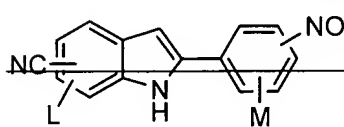
~~reacting a compound with a having formula:~~  ~~with a compound~~

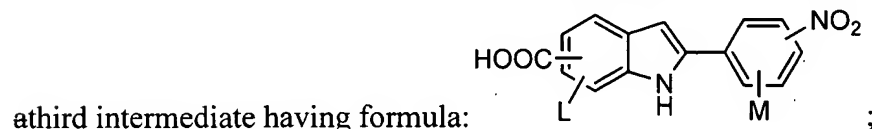
~~with a having formula:~~  ~~, thereby forming a compound with a formula:~~

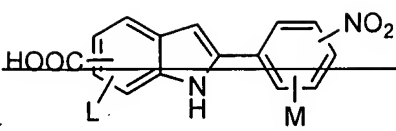


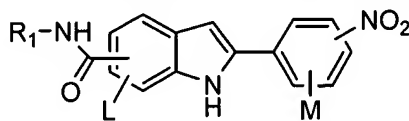
~~reacting the compound with a formula:~~  said first intermediate with cyanide ion, thereby forming a compound with a second intermediate

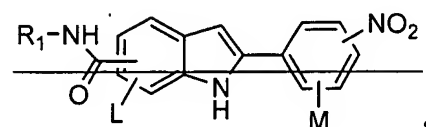


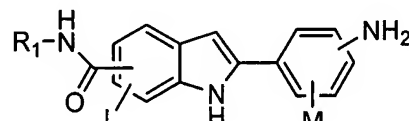
performing hydrolysis on the compound with a formula:  said second intermediate, thereby forming a compound with

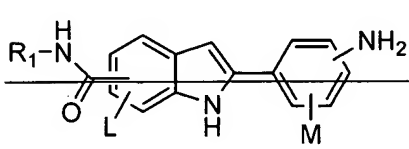


reacting ~~the compound with a formula:~~  ~~said third intermediate~~ with an alkylamine, thereby forming a ~~compound with a~~ fourth intermediate

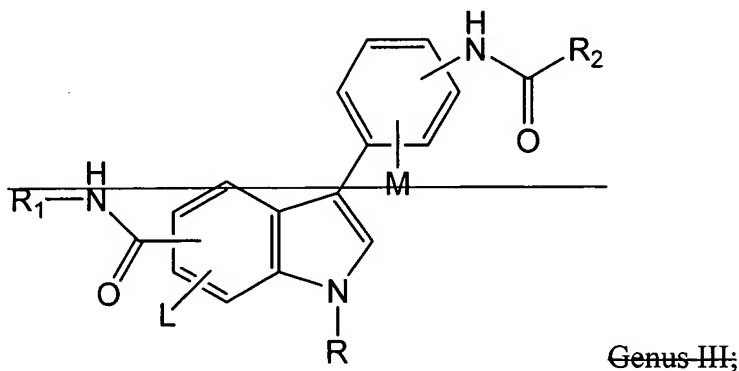
having formula:  ;

reducing ~~the compound with a formula:~~  ~~said fourth intermediate;~~ thereby forming a ~~compound with a~~ fifth intermediate having

formula:  ; and

reacting an acyl chloride with ~~the compound with a formula:~~  ~~said fifth intermediate;~~ thereby forming a compound of Genus II.

36. (Currently amended) A method of preparing a compound or salt thereof ~~having the formula~~ of Genus III as defined in Claim 1 comprising:



~~wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>4</sub>;~~

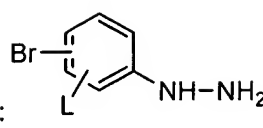
~~wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub>-alkyl, benzyl, p-fluorobenzyl and di-alkylamino-alkyl, wherein said C<sub>1</sub>-C<sub>5</sub>-alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;~~

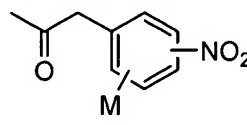
~~wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;~~

~~wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and~~

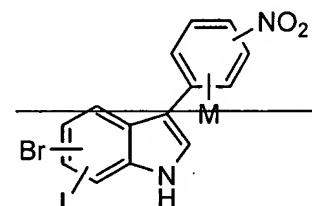
~~wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;~~

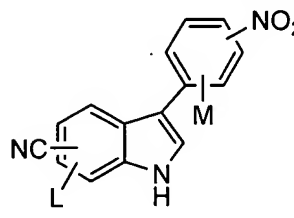
~~wherein said method comprises steps:~~

reacting a compound with a having formula:  with a compound

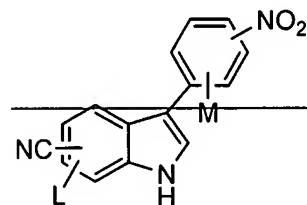
with a having formula:  in the presence of a Lewis acid, thereby

forming a compound with a first intermediate having formula:  ;

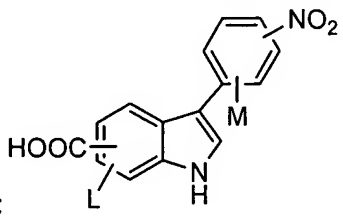
reacting the compound with a formula:  said first  
intermediate with a cyanide ion, thereby forming a compound with a second intermediate

having formula:  ;

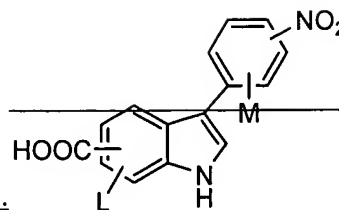
performing hydrolysis on the compound with a formula:



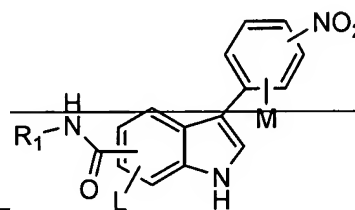
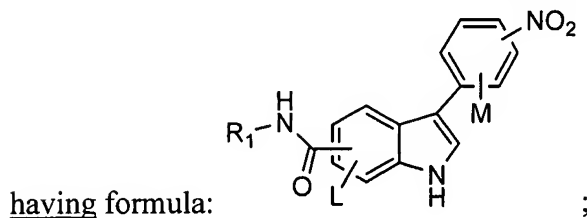
said second intermediate, thereby forming a compound with a third

intermediate having formula:  ;

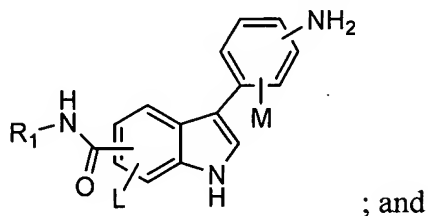




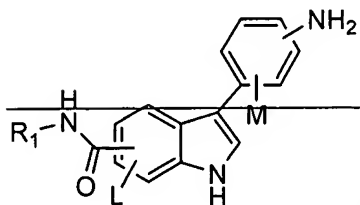
reacting ~~the compound with a formula:~~ said third intermediate with an alkylamine, thereby forming a ~~compound with a fourth intermediate~~



reducing ~~the compound with a formula:~~ said fourth intermediate; thereby forming a ~~compound with a fifth intermediate~~ having formula:



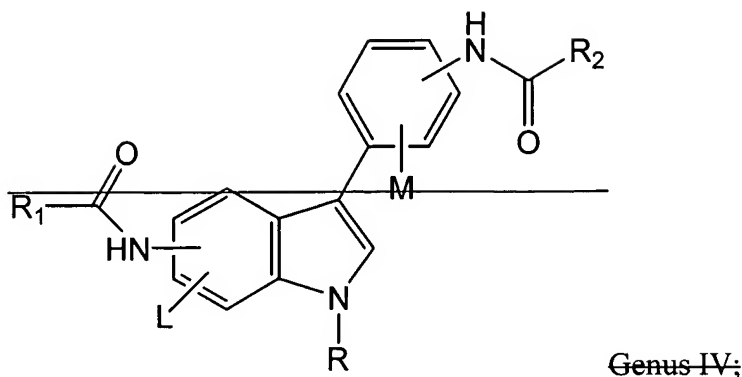
reacting an acyl chloride with ~~the compound with a formula:~~



said fifth intermediate; thereby forming a compound of Genus

III.

37. (Currently amended) A method of preparing a compound or salt thereof ~~having the formula of~~ Genus IV as defined in Claim 1 comprising:



wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub>-alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub>-alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

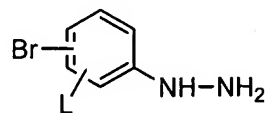
wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub>-cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

Appl. No. : 10/661,139  
Filed : September 12, 2003

heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

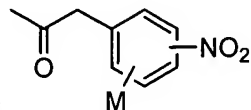
wherein said method comprises steps:

reacting a compound with a having formula:



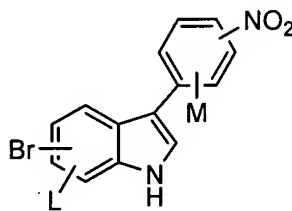
with a

compound with a having formula:



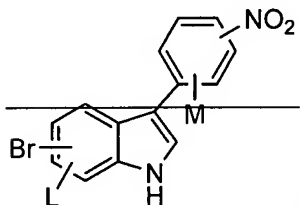
, thereby forming a compound with

a first intermediate having formula:



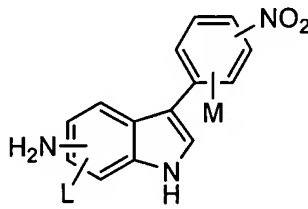
;

performing a reductive amination to the compound with a formula:



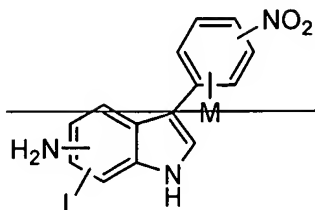
said first intermediate, thereby forming a compound with a second

intermediate having formula:

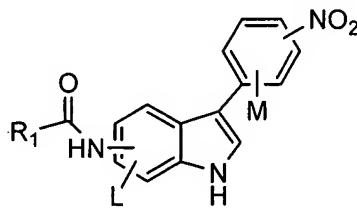


;

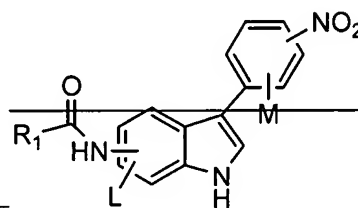
reacting an acyl chloride with the compound with a formula:



said second intermediate, thereby forming a compound with



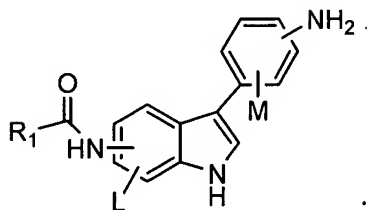
a third intermediate having formula:



reducing the compound with a formula:

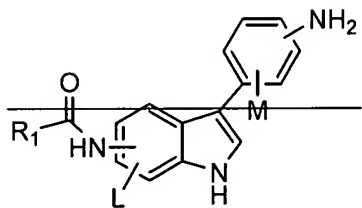
said third

intermediate, thereby forming a compound with a fourth intermediate having formula:



; and

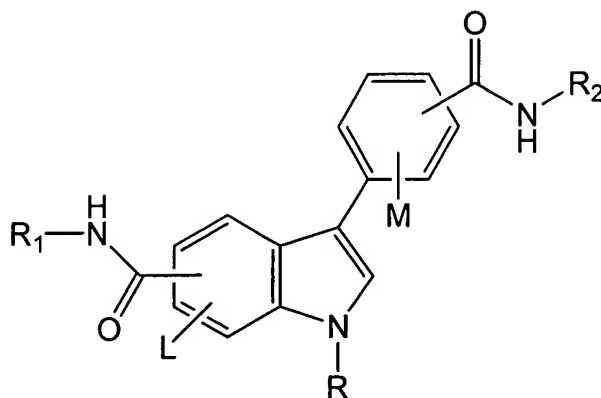
reacting an acyl chloride with the compound with a formula:



said fourth intermediate, thereby forming a compound of

Genus IV.

38. (Withdrawn) A method of preparing a compound or salt thereof having the formula:



Genus V;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

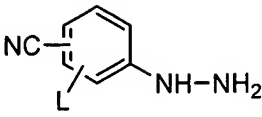
wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

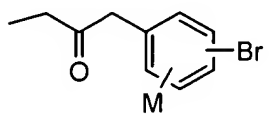
wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

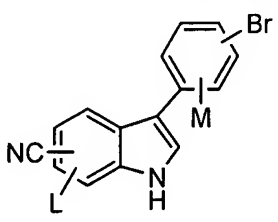
wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

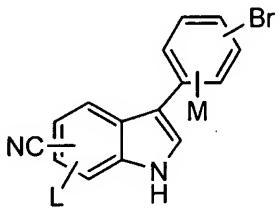
heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

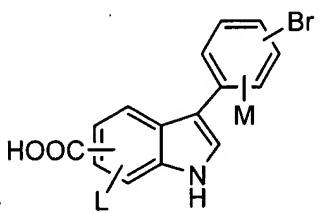
wherein said method comprises steps:

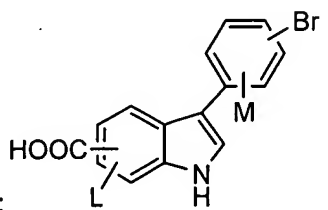
reacting a compound with a formula:  with a compound with a

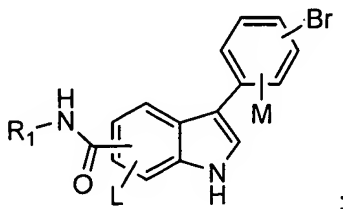
formula:  in the presence of a Lewis acid, thereby forming a

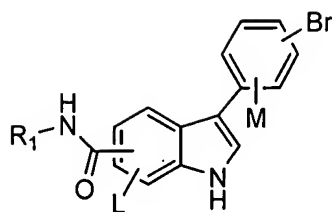
compound with a formula:  ;

performing hydrolysis on the compound with a formula: ,

thereby forming a compound with a formula:  ;

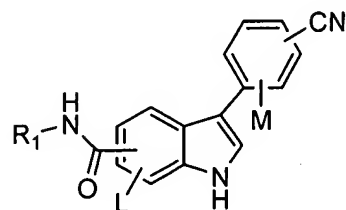
reacting the compound with a formula:  with an

alkylamine, thereby forming a compound with a formula:  ;



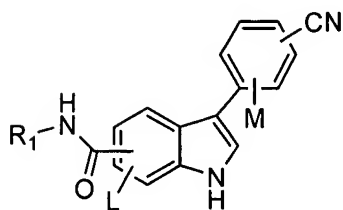
reacting the compound with a formula:

with a cyanide

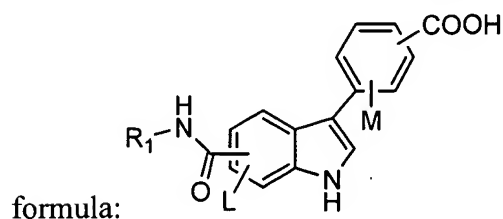


ion, thereby forming a compound with a formula:

performing hydrolysis on the compound with a formula:

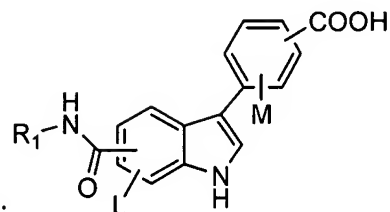


, thereby forming a compound with a



formula:

;

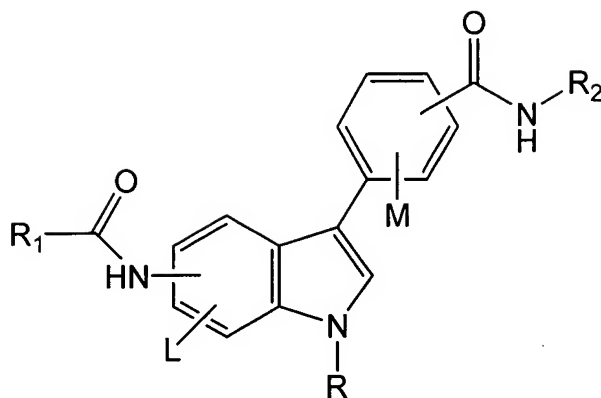


reacting the compound with a formula:

with an

alkylamine, thereby forming a compound of Genus V.

39. (Withdrawn) A method of preparing a compound or salt thereof having the formula:



Genus VI;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

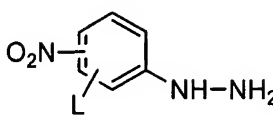
wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

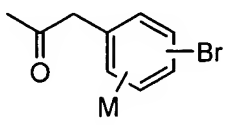
wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

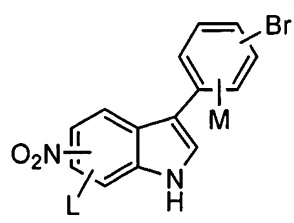


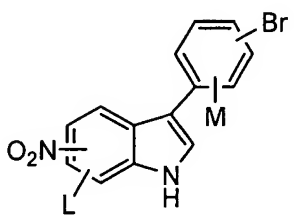
heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

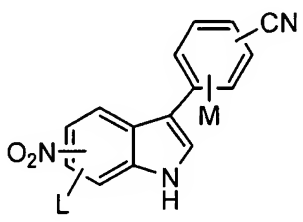
wherein said method comprises steps:

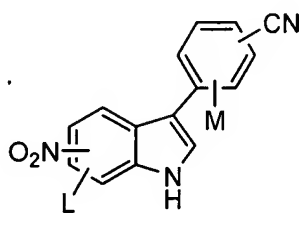
reacting a compound with a formula:  with a compound with

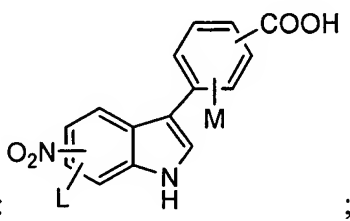
a formula:  in the presence of a Lewis acid, thereby forming a compound

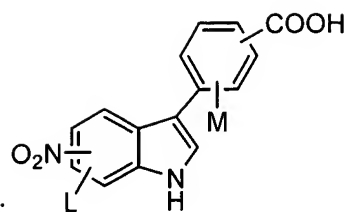
with a formula:  ;

reacting the compound with a formula:  with a cyanide ion,

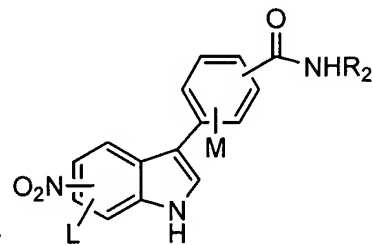
thereby forming a compound with a formula:  ;

performing hydrolysis on the compound with a formula:  ,

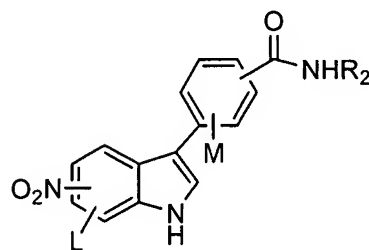
thereby forming a compound with a formula:  ;



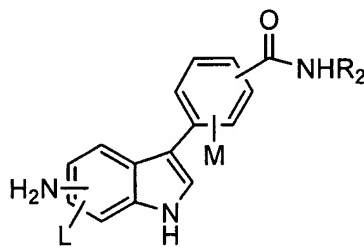
reacting the compound with a formula: with an



alkylamine, thereby forming a compound with a formula: ;

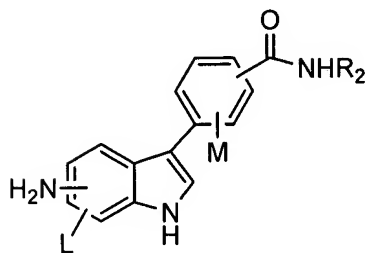


reducing the compound with a formula: ; thereby



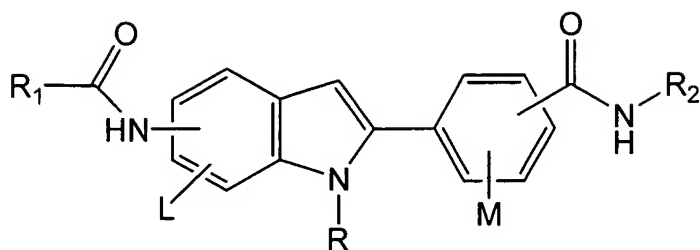
forming a compound with a formula: ; and

reacting an acyl chloride with the compound with a formula:



; thereby forming a compound of Genus VI.

40. (Withdrawn) A method of preparing a compound or salt thereof having the formula:



Genus VII;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

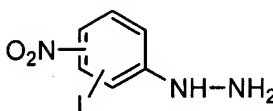
wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

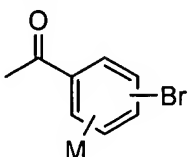
wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

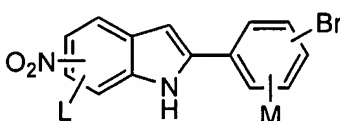
wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

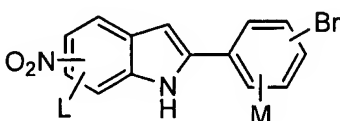
wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

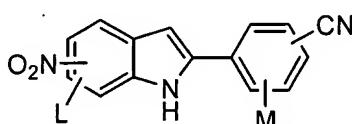
wherein said method comprises steps:

reacting a compound with a formula:  with a compound with

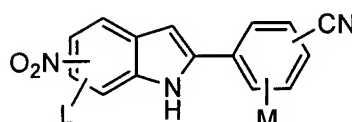
a formula:  in the presence of a Lewis acid, thereby forming a compound

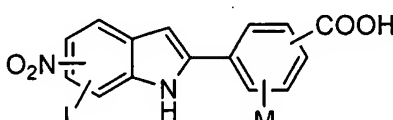
with a formula:  ;

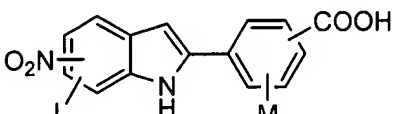
reacting the compound with a formula:  with a cyanide

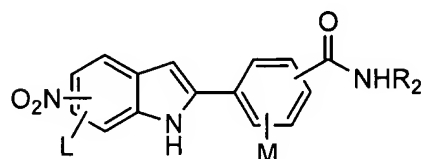
ion, thereby forming a compound with a formula:  ;

performing hydrolysis on the compound with a formula:

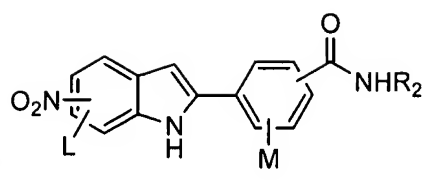
 , thereby forming a compound with a

formula:  ;

reacting the compound with a formula:  with an  
 alkylamine, thereby forming a compound with a formula:

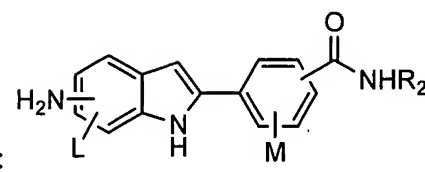
 ;

reducing the compound with a formula:



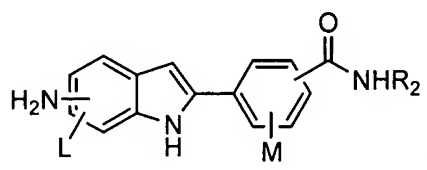
; thereby

forming a compound with a formula:



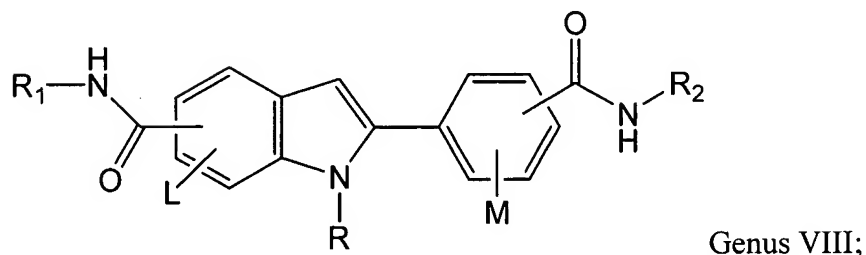
; and

reacting an acyl chloride with the compound with a formula:



; thereby forming a compound of Genus VII.

41. (Withdrawn) A method of preparing a compound or salt thereof having the formula:



wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, CONH<sub>2</sub>, CONHR and NHCOR<sub>1</sub>;

wherein R is selected from the group consisting of H, C<sub>1</sub>-C<sub>5</sub> alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C<sub>1</sub>-C<sub>5</sub> alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

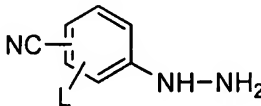
wherein R<sub>1</sub> and R<sub>2</sub> are independently selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3

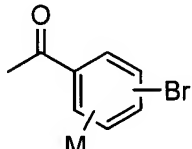
heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

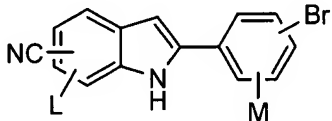
wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH<sub>3</sub>, COOH, COOR', COR', CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C<sub>3</sub>-C<sub>9</sub> cycloalkyl, substituted C<sub>3</sub>-C<sub>9</sub> cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

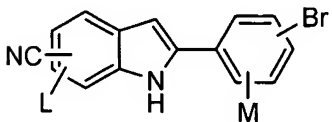
wherein said method comprises steps:

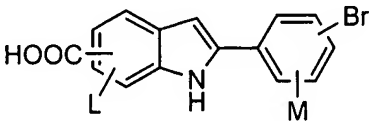
reacting a compound with a formula:  with a compound with a

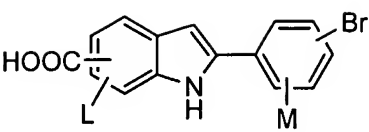
formula:  in the presence of a Lewis acid, thereby forming a compound

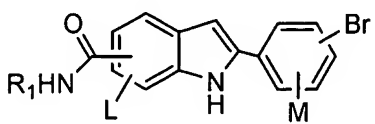
with a formula:  ;

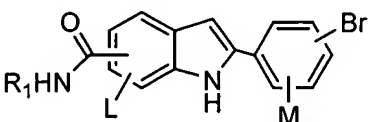
performing hydrolysis on the compound with a formula:

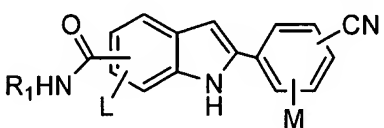
 , thereby forming a compound with a

formula:  ;

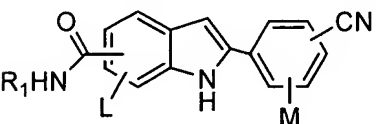
reacting the compound with a formula:  with an

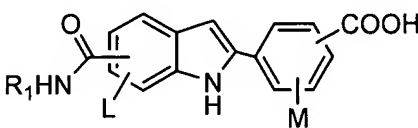
alkylamine, thereby forming a compound with a formula:  ;

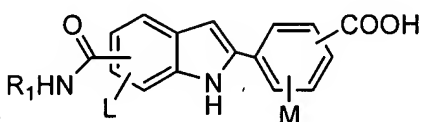
reacting the compound with a formula:  with a

cyanide ion, thereby forming a compound with a formula:  ;

performing hydrolysis on the compound with a formula:

 , thereby forming a compound with a

formula:  ;

reacting the compound with a formula:  with an alkylamine, thereby forming a compound of Genus VIII.

42. (New) A pharmaceutical composition for treating or preventing an allergic reaction associated with increased IgE levels, inhibiting cellular proliferation, and/or inhibiting cytokines or leukocytes in a mammal comprising one or more of compound or salt thereof of Claim 1.

43. (New) The pharmaceutical composition of Claim 42, further comprising at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction, cell proliferation and/or inhibition of cytokines or leukocytes.